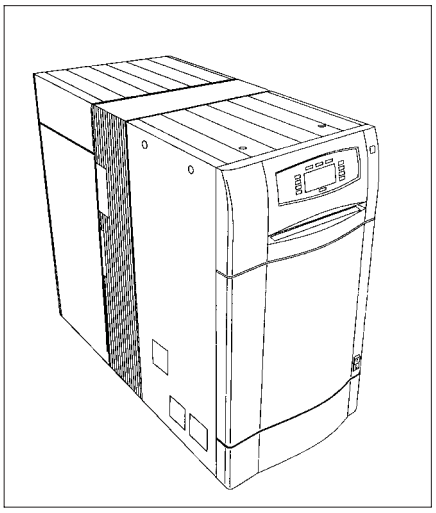
Operating Instructions *Publication No. OI 3443-6/98*



KODAK
Multiloader 700 Plus

PLEASE NOTE

The information contained herein is based on the experience and knowledge relating to the subject matter gained by Kodak prior to publication.
No patent license is granted by this information.
Kodak reserves the right to change this information without notice, and makes no warranty, expressed or implied, with respect to this information.

IMPORTANT:

Please be aware of the fact that this unit may only be used for loading and unloading of film cassettes (sizes and types as specified on page 1-2 of this Operator Guide) and feeding exposed films into the Processor connected to the KODAK Multiloader 700 Plus.

The unit must not be used for any other operation.

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Important Safety Precautions

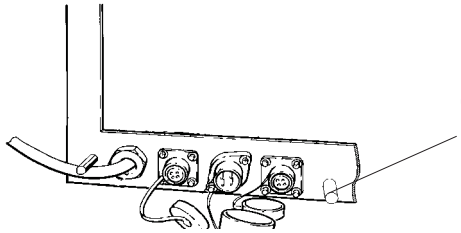
WARNINGS:

Dangerous voltages are present in this machine.
In order to avoid electrical hazard, the user is only allowed to open the magazine door, the drawer and the cover of the KODAK Multiloader 700 Plus as well as the cover of the tunnel.
The operator is not supposed to exchange any internal parts.
Do not perform repairs yourself, call for a qualified service person.

The venting slots at the side of the KODAK Multiloader 700 Plus must not be covered.

The Processor Start signal from the Processor M6 AW to the KODAK Multiloader 700 Plus is rated at 120 V/10 mA.

According to European safety regulations for medical devices, the following conditions must be fulfilled: If the unit is operated within a distance of 1.5 m from the patient, the KODAK Multiloader 700 Plus must be properly connected to the mains with a CEE plug (type 248). In that case it must also be connected to the equipotential equalization device (E^2D). E^2D with cable and the CEE plug must be provided by the customer. The purpose of the equipotential equalization device is to ensure that all medical devices are connected to the same ground potential.
If, on installation, your KODAK SERVICE PROVIDER connected the KODAK Multiloader 700 Plus to the equipotential busbar using the equipotential bonding plug, this connection may not be interrupted, i. e. you are not allowed to pull off the cable coming from the equipotential busbar (see illustration below).



equipotential bonding plug

Radio Interference Suppression

U. S. A.: Warning
This equipment generates, uses and can radiate radio-frequency energy, and if not installed and used in accordance with the Instruction Manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at the user's own expense will be required to take whatever steps may be required to correct the interference.

Canada:
- This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference regulations of the Canadian Department of Communications.
- Le présent appareil numérique n'émet pas de bruits radioélectriques dépassent les limites applicables aux appareils numériques de la class A prescrites dans le Reglèment sur le brouillage radioélèctrique édicté par le ministre des Communications du Canada.

Declaration of Conformity

We declare our sole responsibility that the KODAK Multiloader 700 Plus (Cat No. 7165798) to which this declaration relates is in conformity with the following standards and, therefore, bears a CE mark:

EN 60950, EN 60601-1-4/1996, EN 55022 Class B and EN 50082-1

following the provisions of the applicable directives

MDD 93/42/EEC and amendments.

Safety Standards

The KODAK Multiloader 700 Plus is in conformity with international safety requirements and bears the following safety marks:
- UL (Underwriters Laboratories, UL 122)
- CUL (Canadian Standards Association approved by UL, CSA 22.2. No. 950)
- GM (TÜV Rheinland, EN 60950)

Specifications

Cassette sizes C1, C2, C3*	18 x 24 cm, 18 x 43 cm, 20 x 40 cm, 24 x 24 cm, 24 x 30 cm, 30 x 35 cm, 30 x 40 cm, 35 x 35 cm, 35 x 43 cm, 8 x 10 inch, 10 x 12 inch, 11 x 14 inch, 14 x 17 inch CRT-photography: 8 x 10 inch mammography: 18 x 24 cm, 24 x 30 cm
Magazine capacity:	max. 110 films
Loading speed:	approx. 15 sec.
Capacity:	240 cassettes/h
Dimensions:	width: 78.7 cm depth: 74 cm without tunnel height: 125 cm
Space requirements:	0,56 m^2 without processor 1,12 m^2 with KODAK X-OMAT 5000 RA Processor 1,80 m^2 with KODAK X-OMAT 5000 RA Processor and KODAK Multiloader 700 Plus SBS Kit
Weight:	292 kg without processor 658.2 kg with Side-by-Side Kit and processor 566 kg with tunnel and processor inline
Recommended operating conditions:	temperature: 18 - 24° C standard 15 - 27° C max. humidity: 30 - 60% standard 15 - 70% max.
Power supply:	1/N/PE~ 200/220/230/240 V 50/60 Hz 2.2 A

SPECIAL EUROPEAN REQUIREMENT:

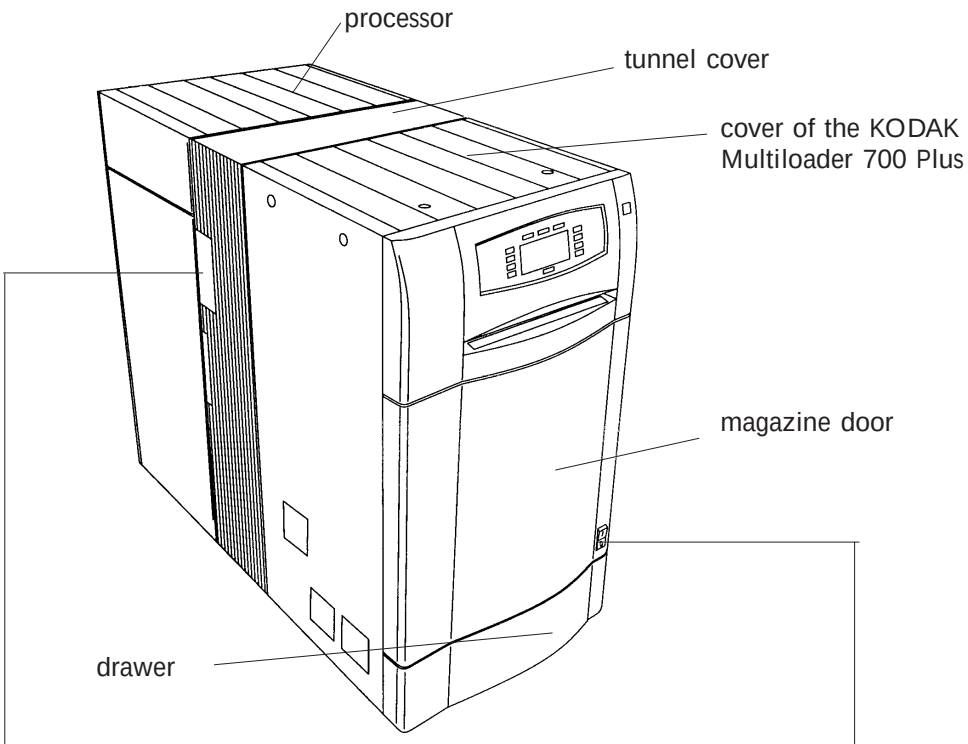
Voltage set on installation:

(A sticker showing the voltage set on installation will be fixed on this space by your KODAK SERVICE PROVIDER)

* C1 (international), C2 without windows, C1-N und C3 (European)

Power consumption:	approx. 300 W
Heat dissipation:	stand-by: approx. 540 kj/h max: approx. 1660 kj/h
Noise level:	< 60 dB (A)
Fuses (Europe):	F1: T 0.315 A F2: T 0.315 A F3: T 0.4 A F4: T 0.05 A F5: T 0.1 A F6: T 0.05 A F7: T 0.1 A F9: T 1.0 A F10: T 1.0 A
Recommended processors:	KODAK 5000 RA, KODAK 480 RA KODAK 460 RA KODAK RP X-OMAT M8 KODAK RP X-OMAT M6B KODAK RP X-OMAT M6AW Specifications available on request

Switching on the Daylight System



KODAK Multiloader 700 Plus ON/OFF Switch
Switch on.

Processor ON/OFF Switch
Switch on.

Please follow the instructions regarding checks in chapter “Switching On” of the processor operator guide.

The processor will require a warm-up period of approx. 10 minutes. During this time the following message will be shown on the display of the KODAK Multiloader 700 Plus.*

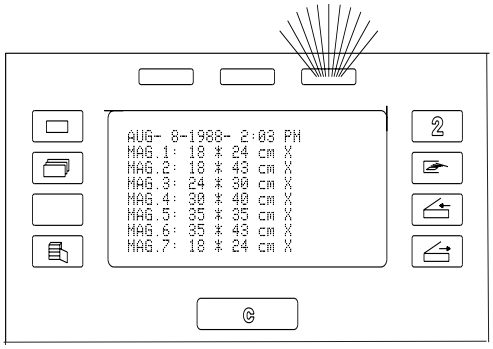
PROCESSOR NOT READY

If “PROCESSOR NOT READY” is still on after approx. 10 minutes, check that the processor is turned on.

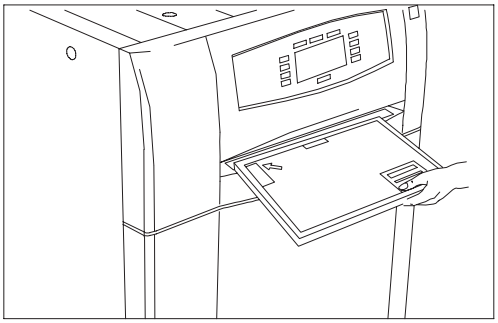
* Processor Ready Kit is necessary.

Inserting a Cassette

The KODAK Multiloader 700 Plus will only accept KODAK X-OMATIC Cassettes, KODAK X-OMATIC Video Film Holder, KODAK MIN-R 2 Cassettes for Mammography.

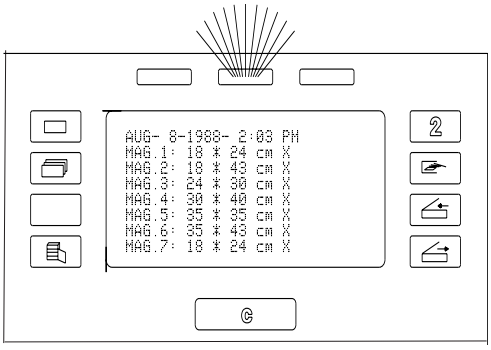


If the **green** ready light is on, the KODAK Multiloader 700 Plus is ready and a cassette may be inserted.

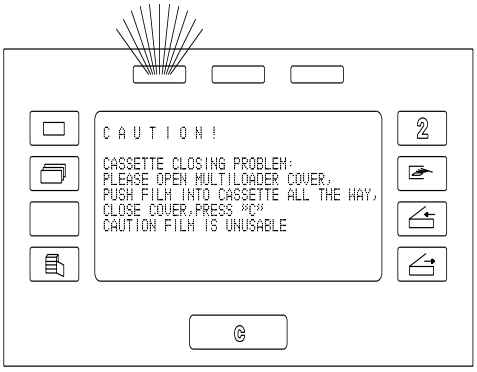


Insert the cassette as follows:
* Latch side up.
* Metal edge toward the KODAK Multiloader 700 Plus.

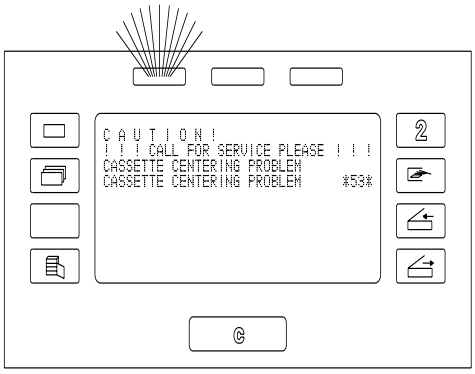
WARNING:
Do not place your hands in cassette entrance. Release the cassette as soon as it is pulled into the KODAK Multiloader 700 Plus.



When the cassette is pulled into the KODAK Multiloader 700 Plus the **orange** light will come on.
This indicates that a cassette is inside the KODAK Multiloader 700 Plus and an unload/load cycle is in progress.



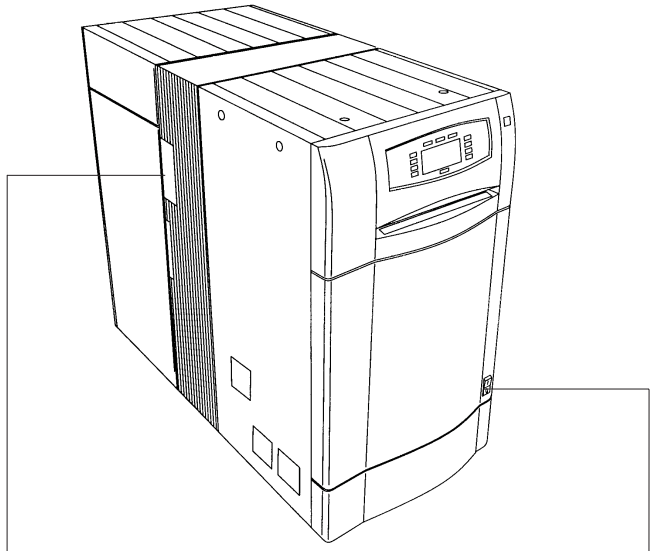
If the **red caution light** is **flashing** and the audible alarm sounds, observe the messages on the display. This warning message must be cancelled after the cassette has been removed from the entrance slot by pressing button C (clear).



If the **red caution light** is **constantly on** and the audible alarm sounds, a malfunction has occurred. In this case observe the messages on the display (also see chapter “Troubleshooting” on page 43).

Switching off the Daylight System

Before switching off the unit, make sure that the cassette has been removed from the entrance slot.

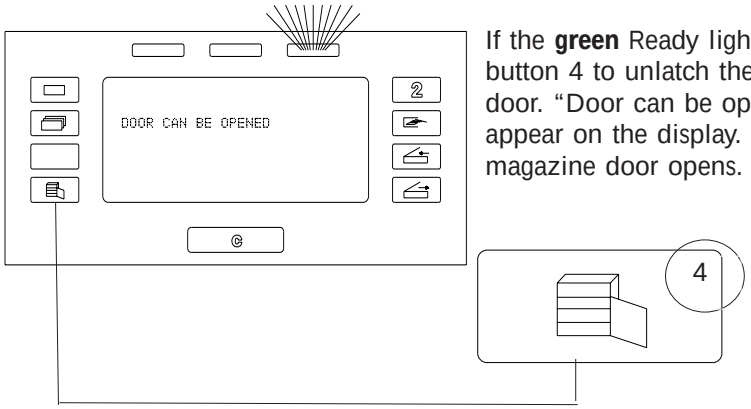


KODAK Multiloader 700 Plus ON/OFF Switch
Switch off.

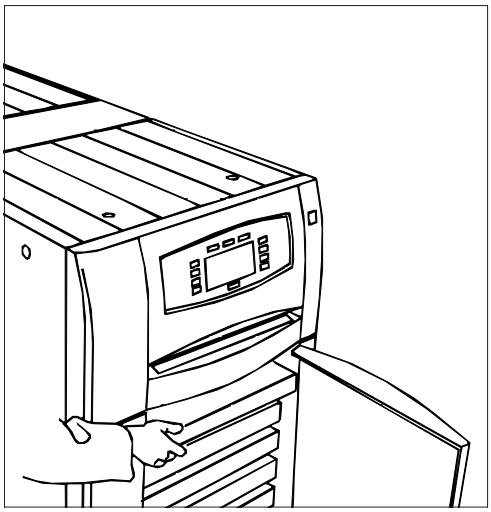
Processor ON/OFF Switch
Switch off.*

* Please follow the instructions in the processor operator guide.

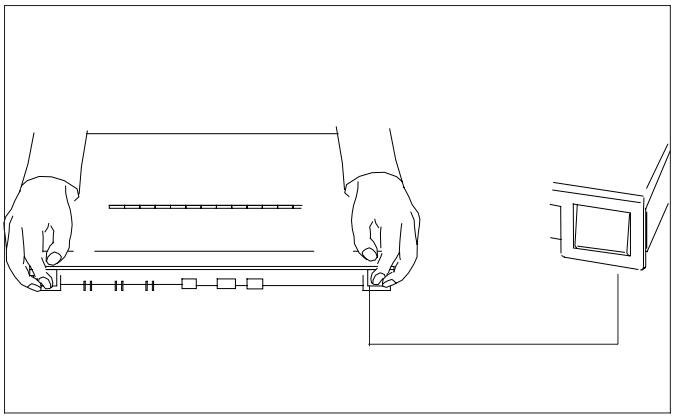
Loading the Magazines



If the **green** Ready light is on, press button 4 to unlatch the magazine door. “Door can be opened” will appear on the display. Now the magazine door opens.

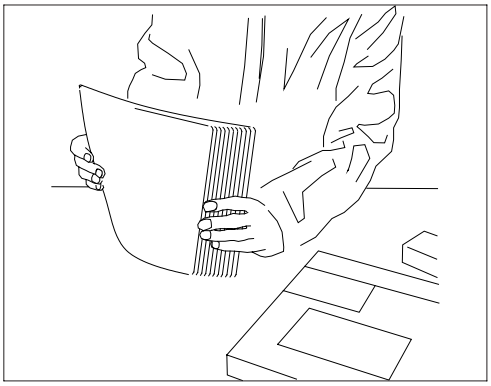


Lift the magazine slightly and pull it straight out.
Close the magazine door.

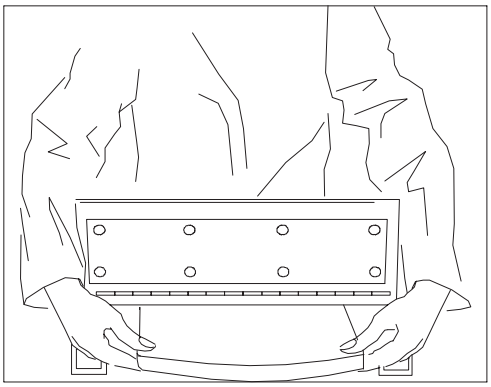


To avoid film fogging, switch off the room light.

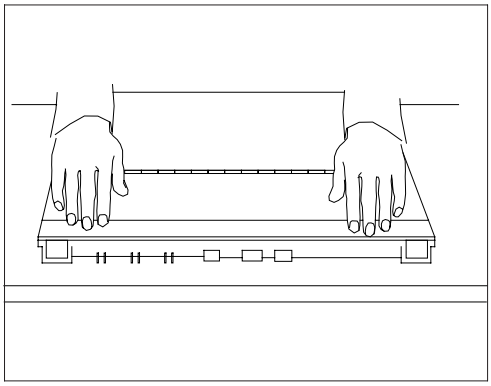
Place the magazine on a flat surface in the darkroom. Push both latches in and lift the lid to open the magazine.



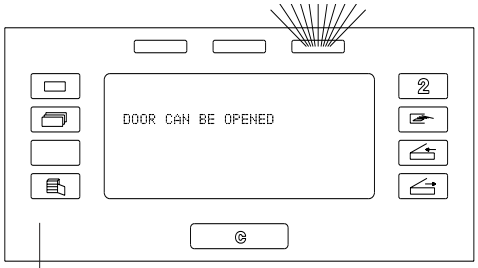
Switch off the light, open the film pack.
Remove the films and fan them carefully.
It might be helpful to divide the film pack into several stacks.



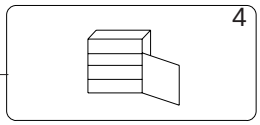
Remove any remaining films from the magazine. Push the new films all the way into the magazine. Place the films removed in the previous step, on top of the new films. They should be used up first.

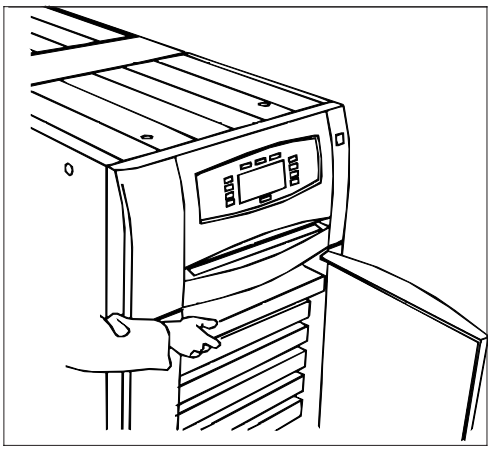


Close the magazine lid. You will hear the latches “click”.



If the green ready light is on, press button 4 to unlatch the magazine door.





Insert magazine into the slot.
Push it in all the way and down.
The magazine must fit beyond the black rollers. Close the magazine door.
The display will now show the date, the time and all the film formats available.

General Description

After the CASSETTE has entered the KODAK Multiloader 700 Plus, the CASSETTE size is determined, and the correct MAGAZINE is selected. The CASSETTE is opened. The exposed film is removed and transported through the TUNNEL into the PROCESSOR. At the same time an unexposed film is taken out of the MAGAZINE and transported into the CASSETTE. The CASSETTE is now closed and returned to the operator.

CASSETTE TYPES AND SIZES

The following CASSETTE types may be used in the KODAK Multiloader 700 Plus:

- KODAK X-OMATIC Cassette
  C1 (international ID Window),
  C2 (without ID Window) or
  C1N and C3 (European ID Window):

18 x 24 cm	35 x 35 cm
18 x 43 cm	35 x 43 cm
20 x 40 cm	8 x 10 inch
24 x 24 cm	10 x 12 inch
24 x 30 cm	11 x 14 inch
30 x 35 cm	14 x 17 inch
30 x 40 cm	

The KODAK Multiloader 700 Plus **cannot** accept a mixture of C1 and C3 cassettes. Each machine is installed to accept either C1 or C3 cassettes.

- KODAK X-OMATIC Video Film Holder

  8 - 10 inch

- KODAK MIN-R 2 Cassette
  C1/N (International ID Window),

18 x 24 cm	24 x 30 cm

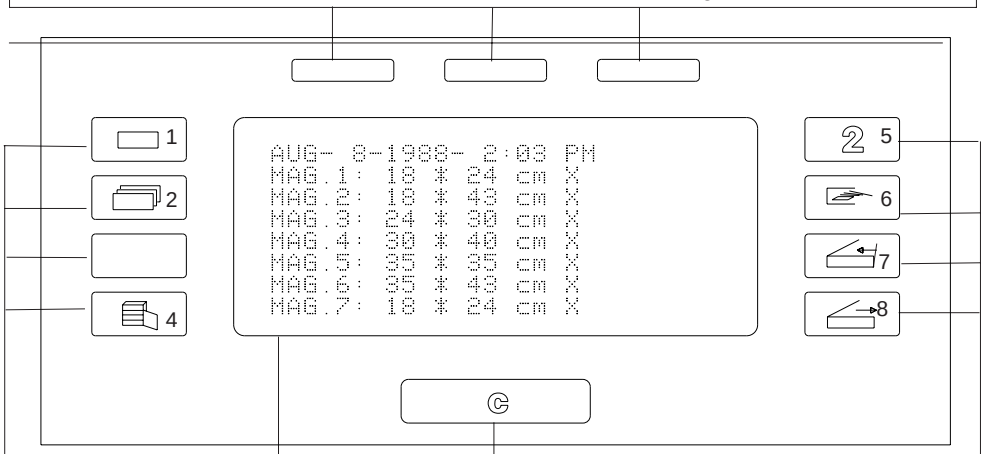
A mixture of C1N-MIN-R 2 with C1 or C3 cassettes **is possible.**

FILM SUPPLY MAGAZINE

The MAGAZINES may contain a supply of 110 films.
The MAGAZINES must be loaded under darkroom conditions.

Operating Controls

With these 3 lamps, the following functions are indicated:
Green, on = KODAK Multiloader 700 Plus READY, CASSETTE may be inserted.
Orange, on = CASSETTE is being handled in the KODAK Multiloader 700 Plus.
Red, flashing = Warning indication, observe message on the DISPLAY.
Red, on permanently = Indication of malfunction, observe messages on the DISPLAY and follow instructions given.



Special Functions selected by mistake can be cancelled by pressing this button (Clear Button). In certain cases the button is used to confirm displayed messages.

The display provides the following information:
- date
- time
- film sizes
- film types
- special functions, if selected
- warning messages

Using the buttons 1 - 8, special functions, e.g. “CASSETTE load only”, “CASSETTE unload only” etc. may be selected. Also, statistical functions, such as film usage, may be displayed.

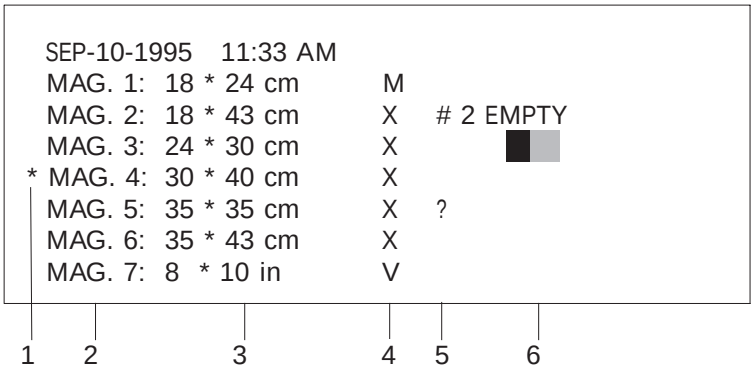
Indicator Lights

The INDICATOR LIGHTS will tell you the present state of the DAYLIGHT SYSTEM.

GREEN LIGHT ON	The KODAK Multiloader 700 Plus and the PROCESSOR are **ready** for operation. A CASSETTE may be inserted.
ORANGE LIGHT ON	A CASSETTE is being handled in the KODAK Multiloader 700 Plus or has not been removed from the entrance slot.
RED LIGHT FLASHING	Observe the important messages on the DISPLAY. If you have read the messages you may press the CLEAR BUTTON “C”. If you do not press the CLEAR BUTTON, the red light will continue to flash and the buzzer will sound when the CASSETTE is removed.
RED LIGHT ON PERMANENTLY	**Malfunction!** Observe the messages on the DISPLAY. The KODAK Multiloader 700 Plus cannot be operated again without removing the cause of the malfunction.

The Display

The DISPLAY consists of 8 lines. During a normal cycle, line 1 will show the date and the time. Lines 2 to 8 show the film sizes, which are currently available in the KODAK Multiloader 700 Plus.


SEP-10-1995 11:33 AM
MAG. 1: 18 * 24 cm M
MAG. 2: 18 * 43 cm X # 2 EMPTY
MAG. 3: 24 * 30 cm X
* MAG. 4: 30 * 40 cm X
MAG. 5: 35 * 35 cm X ?
MAG. 6: 35 * 43 cm X
MAG. 7: 8 * 10 in V
1
2
3
4
5
6

1) The selected MAGAZINE, determined by the CASSETTE size, is marked with an asterisk.

2) The MAGAZINE positions are numbered consecutively from top to bottom.

3) Film size in the MAGAZINE, in centimetres or inches.

4) Type of CASSETTE: X = KODAK X-OMATIC Cassette
M = KODAK MIN-R 2 Cassette (Mammography)
V = KODAK X-OMATIC Video Film Holder (CRT)

5) Type of Film: # 2 - Special film
- Standard film (no indication)

6) Information about the film supply is indicated after each film size display. When there are no films left in the magazine, “EMPTY” will appear.
A **?** will appear if no films have been taken out of the MAGAZINE after it has been reloaded and inserted. The **?** will disappear as soon as a film has been removed from that MAGAZINE.
Two **alternately flashing rectangles** show that approx. 10 films are left in the MAGAZINE.
If there is **no indication**, there are between 10 and 110 films in the MAGAZINE.

Special Function Buttons

Four BUTTONS are located on both sides of the DISPLAY. All BUTTONS except BUTTON No. 3 have symbols and are numbered in the upper right corner.

The BUTTONS on the left side of the DISPLAY are used for:

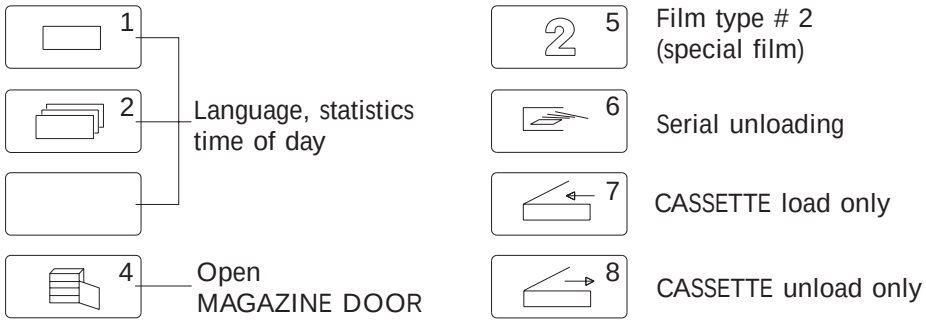
- displaying statistics
- changing time (by 1 hour = summer/winter)
- opening the MAGAZINE DOOR

The KODAK Multiloader 700 Plus will memorize the number of films by size, taken out of the MAGAZINES and films taken out of the CASSETTES. These statistics may be viewed on the DISPLAY or printed on paper, if required.

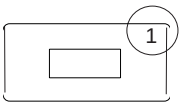
The BUTTONS on the right side of the DISPLAY are used for:

- selection of special films
- serial unloading of MAGAZINES
- loading a CASSETTE, only
- unloading a CASSETTE, only

Special functions may only be selected if the GREEN READY LIGHT is on.


1
2
Language, statistics
time of day
4
Open
MAGAZINE DOOR
5
Film type # 2
(special film)
6
Serial unloading
7
CASSETTE load only
8
CASSETTE unload only
C
CLEAR
(e.g. unwanted special functions)
In some cases, confirmation of
display messages.

BUTTON 1: Film usage by size, for the current month.

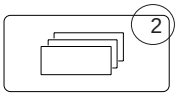


After pressing BUTTON 1 the DISPLAY will show the following:

FILMS USED			
18 x 24 X	1000	18 x 24 M	43
18 x 24 X #2	30	8 x 10 V	21
18 x 43 X	55		
24 x 30 X	200		
30 x 40 X	30		
35 x 43 X	76		
18 x 24 M #2	1000		

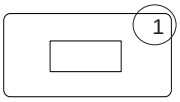
To leave this mode BUTTON “C” must be pressed.

BUTTON 2: Language, statistics, time



After pressing BUTTON 2 the following will be displayed:

```
PLEASE SELECT DESIRED PROGRAM:
BUTTON 1: CHANGE LANGUAGE
BUTTON 2: ACTUATIONS SUMMARY
BUTTON 3: FILM USE SUMMARY
BUTTON 4: CHANGE TIME
BUTTON 5: FILM USE LAST MONTH
BUTTON 6: PRINT STATISTIC
PUSH "C" TO RETURN TO RUN MODE
```

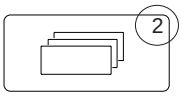


After pressing BUTTON 1, the following will be displayed:

```
SELECT LANGUAGE TO BE DISPLAYED:
ENGLISH          PRESS BUTTON  1
ESPANOL          PRESS BUTTON  2
      4                        8
PUSH "C" TO RETURN TO RUN MODE
```

To leave this mode, BUTTON "C" must be pressed.
With buttons 4 and 8 you can scroll through other languages.
Button 4: 1 page back
Button 8: 1 page forward

If you wish to call **"ACTUATIONS SUMMARY",** you must press the Statistics BUTTON 2.



After pressing BUTTON 2 for the second time, the following will be displayed:

SYSTEM ACTUATIONS:

	THIS MONTH	LAST MONTH
TOTAL	1100	1000
UNLOAD-LOAD	800	780
UNLOAD ONLY	50	20
LOAD ONLY	50	30
SERIAL UNLOAD	200	30

PUSH "C" TO RETURN TO RUN MODE

To leave this mode, BUTTON "C" must be pressed.

If you wish to call **"FILM USE SUMMARY"**, you must press statistics BUTTON 2.

After pressing BUTTON 3 the DISPLAY will show the following:

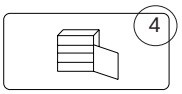
FILMS USED

	TO PROCESS	FROM MAGAZINE
CURRENT MONTH	850	850
LAST MONTH	800	810
MAXIMUM	1000	910
MAX MONTH	JUN 95	MAR 95
SINCE	JAN 95	JAN 95

PUSH "C" TO RETURN TO RUN MODE

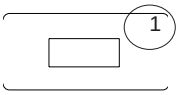
To leave this mode, BUTTON "C" must be pressed.

If you wish to **change the time** by one hour, the statistics BUTTON 2 must be pressed.

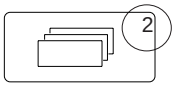


After pressing BUTTON 4 the DISPLAY will show the following:

SELECT TIME DESIRED:
BUTTON 1: ADVANCE CLOCK 1 HOUR
BUTTON 2: SET CLOCK BACK 1 HOUR
PUSH "C" TO RETURN TO RUN MODE



Change from winter time to summer time.



Change from summer time to winter time.

The clock may be advanced or put back by 1 hour.
Pressing the BUTTON several times has no influence on the time displayed.

To leave this mode, BUTTON "C" must be pressed.

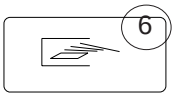
If you wish to select **"FILM USE LAST MONTH"** you must press the statistical BUTTON 2.

After pressing BUTTON 5 the DISPLAY will show the following:

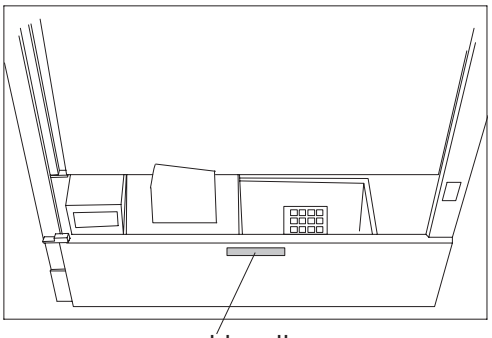
FILM USE LAST MONTH				
18 x 24 X		500	18 x 24 M	21
18 x 24 X	#2	80	8 x 10 V	50
18 x 43 X		70		
24 x 30 X		280		
30 x 40 X		70		
35 x 43 X		111		
18 x 24 M	#2	1300		

To leave this mode, BUTTON "C" must be pressed.

If you wish to print the film statistics on paper you must press Statistics BUTTON 2.

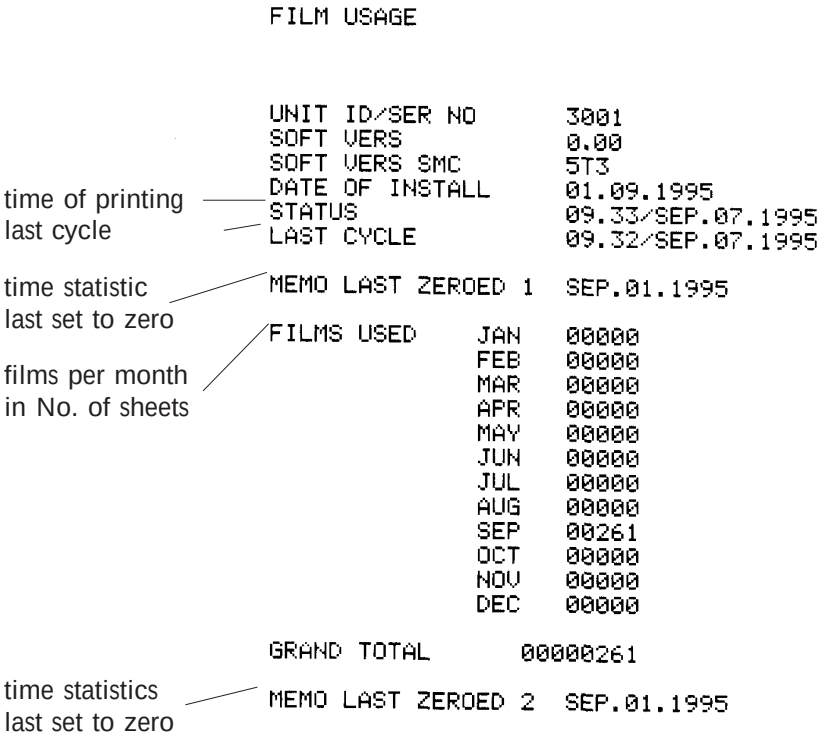


After pressing BUTTON 6 the film statistics will be printed on paper (see page 30 for sample of print-out).



Before starting a print cycle pull out the DRAWER to the stop. PRINTER and PAPER will now be accessible. If a new roll of paper is needed, please inform your KODAK Service Provider or refer to chapter "Paper Change in Thermoprinter" on page 41.

Statistics print-out (sample)



film type 1: film consumption by formats per day in No. of sheets

```
TYP 1 X-RAY     MON TUE WED THU FRI SAT SUN

  18x24 cm      000 000 012 000 052 000 000
  18x43 cm      000 000 002 005 024 000 000
  20x40 cm      000 000 000 000 000 000 000
  24x24 cm      000 000 000 000 000 000 000
  24x30 cm      000 000 004 000 008 000 000
  30x35 cm      000 000 000 000 000 000 000
  30x40 cm      000 000 000 000 000 000 000
  35x35 cm      000 000 007 000 003 000 000
  35x43 cm      000 000 018 000 058 000 000
   8x10 in      000 000 000 000 000 000 000
     VFH/CRT
   8x10 in      000 000 011 000 026 000 000
     MAMMO
  18x24 cm      000 000 003 000 024 000 000
  24x30 cm      000 000 000 000 000 000 000
```

film type 2: film consumption by formats per day in No. of sheets

```
TYP 2 X-RAY     MON TUE WED THU FRI SAT SUN

  18x24 cm      000 000 000 000 000 000 000
  18x43 cm      000 000 000 000 000 000 000
  20x40 cm      000 000 000 000 000 000 000
  24x24 cm      000 000 000 000 000 000 000
  24x30 cm      000 000 000 000 000 000 000
  30x35 cm      000 000 000 000 000 000 000
  30x40 cm      000 000 000 000 000 000 000
  35x35 cm      000 000 004 000 000 000 000
  35x43 cm      000 000 000 000 000 000 000
   8x10 in      000 000 000 000 000 000 000
     VFH/CRT
   8x10 in      000 000 000 000 000 000 000
     MAMMO
  18x24 cm      000 000 000 000 000 000 000
  24x30 cm      000 000 000 000 000 000 000
```

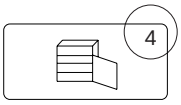
information for KODAK Service Provider

```
PARA SETTINGS 2831 1038 1647 2265 2871
              3480 4094 4711 0275 0006
              12 08 00 00 00 28 01
              14 00 01 00 00 00
```

BUTTON 3: Statistics

This BUTTON is used only for the Statistical sub-mode after pressing BUTTON 2.

BUTTON 4: Open MAGAZINE DOOR



After pressing BUTTON 4 the MAGAZINE DOOR is released. MAGAZINES may now be removed to be loaded with unexposed films.

The **special functions** are selected through the buttons on the **right** side. Special functions selected by error can be cancelled by pressing the button “C”. Special functions can only be selected when the **green function indicator** is lit. Selected special functions are **only** valid for the current cycle.

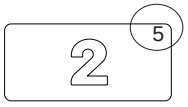
In order to close the magazine door again, push against the hand sign on the door.

BUTTON 5: Film type # 2

The KODAK Multiloader 700 Plus may be “loaded” with two different film types of the same size. This feature might be helpful if, for example, a film with lower contrast is required for thorax examinations. Similarly, a single coated film maybe required for a high resolution “extremity system”.

In order to prevent a film mix up, the CASSETTES and MAGAZINES used for film type **# 2** must be coded by a KODAK Service Provider. The KODAK Multiloader 700 Plus will then automatically recognize the special CASSETTE and load it with the special film without you having to press BUTTON 5. Should it be necessary to load cassettes without codes, BUTTON 5 must be pressed.

The selected special function is valid only for the current cycle.



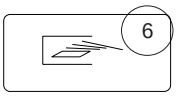
After pressing BUTTON 5, the following will be displayed:

SEP-10-1995 11:33 AM		# 2
MAG. 1: 18 * 24 cm	M	
MAG. 2: 18 * 24 cm	X	
MAG. 3: 24 * 30 cm	X	
MAG. 4: 24 * 30 cm	X	# 2
MAG. 5: 35 * 35 cm	X	
MAG. 6: 35 * 43 cm	X	
MAG. 7: 8 * 10 in	V	

After removing the CASSETTE from the entrance slot, the KODAK Multiloader 700 Plus will return to the normal mode.

BUTTON 6: Serial Unloading

When using this special function, a series of exposed films, e.g. angiography, will be taken out of the MAGAZINE and transported to the processor for processing. Serial unloading is possible with all film sizes, provided that a MAGAZINE and a CASSETTE have been coded (Roll film may not be processed in the KODAK Multiloader 700 Plus).



After pressing BUTTON 6, and with 7 MAGAZINES in place, the following will be displayed:

SERIAL UNLOADING

PLEASE TAKE OUT ONE MAGAZINE

This MAGAZINE must now be loaded in the darkroom (lights off) with the exposed films. Alternatively, an already loaded, dedicated magazine may be placed in the vacant magazine position.

CAUTION!
If necessary, this special function can be cancelled by pressing BUTTON C. The following message will then appear on the display:

CAUTION!
NO MAGAZINE HAS BEEN SELECTED

Press “C” again to return to the normal mode.

In order to keep the cycle time to a minimum during serial unloading, it is recommended to use a **centre position** for the serial unloading MAGAZINE in the KODAK Multiloader 700 Plus.
If there are less than 7 MAGAZINES in the KODAK Multiloader 700 Plus; the following will be displayed after pressing BUTTON 6.

SERIAL UNLOADING

INSERT MAGAZINE
AND CLOSE DOOR, PLEASE

CAUTION!
Only the MAGAZINE with the exposed films must be inserted.
After closing the MAGAZINE DOOR, the following will be displayed, e. g. 35 x 35 cm:

SERIAL UNLOADING

PLEASE INSERT CASSETTE 35 x 35 CM X

You may now feed in the 35 x 35 cm CASSETTE.

The KODAK Multiloader 700 Plus will now take out one film after another from the MAGAZINE and transport it to the X-OMAT processor for processing. During this process, the CASSETTE will remain in the KODAK Multiloader 700 Plus. Each time a film is removed from the MAGAZINE, the film counter will be advanced

```
SERIAL UNLOADING

      025

FILMS UNLOADED FROM MAGAZINE 3
```

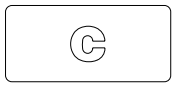
When all the films have been removed from the MAGAZINE, the following is displayed:

```
SERIAL UNLOADING

SERIAL UNLOADING COMPLETED
030 FILMS UNLOADED
MAGAZINE 3 IS EMPTY
CASSETTE IS EMPTY
```

The empty CASSETTE is returned to the operator.

Interrupting Serial Unloading



The serial unloading mode may be interrupted by pressing BUTTON C. This might be necessary to process an “emergency” film. After completion of that cycle the CASSETTE is returned to the operator and the following is displayed:

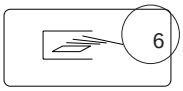
```
      SERIAL UNLOADING

SERIAL UNLOADING INTERRUPTED
 002 FILMS UNLOADED
  MAGAZINE 3 IS NOT EMPTY!
    CASSETTE HAS NOT BEEN LOADED!
```

This message must be confirmed by pressing BUTTON C.
Only now the KODAK Multiloader 700 Plus will be ready to accept CASSETTES.

The MAGAZINE containing the exposed films is marked with the words “SERIAL UNLOADING” on the DISPLAY.

```
SEP-10-1995 11:33 AM
MAG.1:   35 x 35 CM     X   SERIAL UNLOADING
MAG.2:   18 x 24 CM     X
MAG.3:   24 x 30 CM     X
MAG.4:   30 x 40 CM     X
MAG.5:   35 x 35 CM     X
MAG.6:   35 x 43 CM     X
MAG.7:   18 x 24 CM     X
```



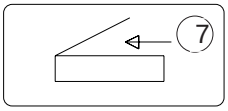
Serial unloading is resumed after pressing BUTTON 6. The following will be displayed:

```
      SERIAL UNLOADING

PLEASE INSERT CASSETTE 35 X 35 CM X
```

After feeding in the CASSETTE, serial unloading will be resumed at the point of interruption.

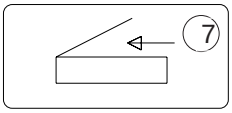
BUTTON 7: CASSETTE load only



By pressing BUTTON 7 you inform the KODAK Multiloader 700 Plus that you are deliberately feeding an **empty** CASSETTE. This prevents the display of a message to warn you that the cassette was empty.

This special function might be necessary in the following cases:

- a new CASSETTE is put into circulation
  (please remove the screen protection paper)
- after cleaning the CASSETTE - SCREENS
- after a CASSETTE has been repaired
- if the CASSETTE was not reloaded because the MAGAZINE was empty.



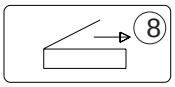
After pressing BUTTON 7, the following will be displayed:

```
SEP-10-1995 11:33                LOAD ONLY
MAG. 1:   18 x 24 cm  X
MAG. 2:   18 x 43 cm  X
MAG. 3:   24 x 30 cm  X
MAG. 4:   30 x 40 cm  X
MAG. 5:   35 x 35 cm  X
MAG. 6:   35 x 43 cm  X
MAG. 7:   24 x 24 cm  X
```

This special function is only valid for the next cycle. After removing the CASSETTE from the entrance slot, the KODAK Multiloader 700 Plus will return to the normal mode.

BUTTON 8: CASSETTE unload only

This special function is useful if the intensifying screens need cleaning, or if the CASSETTE has to be inspected for some reason.



After pressing BUTTON 8, the DISPLAY will show the following:

```
SEP-10-1995 11:33                    UNLOAD ONLY
MAG. 1:   18 x 24 cm  X
MAG. 2:   18 x 43 cm  X
MAG. 3:   24 x 30 cm  X
MAG. 4:   30 x 40 cm  X
MAG. 5:   35 x 35 cm  X
MAG. 6:   35 x 43 cm  X
MAG. 7:   24 x 24 cm  X
```

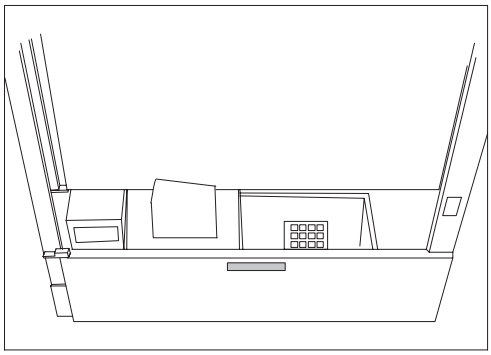
This special function is valid only for the current cycle. After the CASSETTE has been removed, the DISPLAY will show the following warning message:

```
CAUTION!                             UNLOAD ONLY
CASSETTE NOT LOADED
```

This warning message must be acknowledged by pressing BUTTON “C” before CASSETTE feeding can be resumed.

CAUTION!
Please open the empty CASSETTE at once, to avoid using it for examinations.

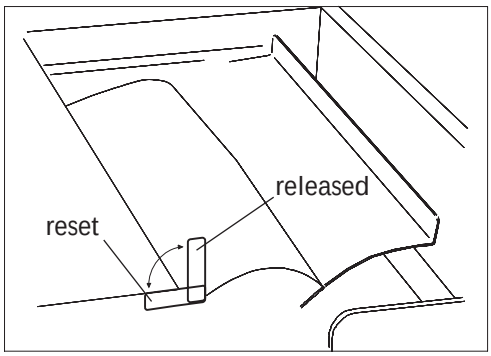
Paper Change in Thermoprinter



A thermoprinter is integrated into the unit. Please ensure that only suitable roll paper is used. These rolls are available under spare parts product number 918 8961 from your KODAK Parts Services.

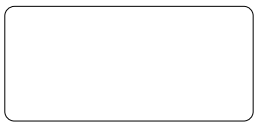
Please open the drawer below the magazine door. The drawer can easily be pulled out approx. 20 cm using the recessed handle.

Please do not force the drawer to open further, as, otherwise, you might damage the unit.



Inserting a new paper roll

First, release the black roller by moving the release lever away from you (towards the KODAK Multiloader 700 Plus). Remove remaining strip of paper. Insert the beginning of the new roll and reset the black roller by moving the release lever in your direction.



Start paper feed by pressing Special Function Button 3 until the paper has safely passed the rollers. This requires pressing of button 3 **four times** (should you carry on pressing button 3, each pressure would feed in the paper roll one step further).

Error Messages/Troubleshooting

All error messages begin with “CAUTION”. In addition, the red light will flash and an audible alarm will start. These warning messages must be cancelled by pressing BUTTON C.

If the same error appears during several cycles, even when using different CASSETTES, the KODAK Service Provider must be informed.

MESSAGES DISPLAYED	REMEDIES
MAGAZINE NOT READY CASSETTE NOT LOADED	Open the cassette immediately. At the moment there is no film in the KODAK Multiloader 700 Plus for that cassette. After loading the MAGAZINE select the special function “CASSETTE load only”, and feed the cassette in again.
CASSETTE CENTERING PROBLEM	Please re-insert the cassette.
CASSETTE OPENING PROBLEM	The KODAK Multiloader 700 Plus was not able to open the cassette. Did you insert the cassette correctly? If this problem occurs only with a single cassette, there might be a defect with the latch of the cassette. Please unload this cassette in the darkroom and separate it from the others. On the next visit your KODAK Service Provider will adjust it.
PLEASE RE-ENTER CASSETTE	Cassette did not reach end switch. Please re-enter the cassette.
CASSETTE NOT LOADED	This message occurs, either when the special function “CASSETTE unload only” was selected, or in connection with a cassette problem. Please open the cassette immediately in order to avoid a mix up.

CASSETTE WAS EMPTY	A film in the cassette was expected. If an empty cassette is entered, please use special function: “CASSETTE load only” to suppress this warning message.
CASSETTE WAS EMPTY CASSETTE NOT LOADED CHECK CASSETTE IN DARK ROOM, PLEASE	The special function “CASSETTE unload only” was selected, although the cassette was empty. a) If there is no film in the cassette, have your KODAK Service Provider check the cassette. b) If there is one film in the cassette, it is likely that the cassette originally contained two films and one of them has been removed in the KODAK Multiloader 700 Plus.
CASSETTE WAS NOT EMPTY	a) The special function “CASSETTE load only” was selected although a film had been in the cassette. b) For “Serial Unloading” a cassette containing a film was inserted. In both cases, the film will be removed from the cassette and processed.
FILM ADHERES TO UPPER SCREEN RE-ENTER CASSETTE, PLEASE EXPOSED FILM NOT UNLOADED RE-ENTER CASSETTE, PLEASE	If this message appears repeatedly, check the cassette in the darkroom. If there is no film in the cassette, have it checked by your KODAK Service Provider.
MAGAZINE NOT READY CASSETTE WAS EMPTY CASSETTE NOT LOADED	Open cassette immediately! There is no film in the KODAK Multiloader 700 Plus to feed into the cassette. Load the magazine, use “CASSETTE load only” to re-enter the cassette.
RE-ENTER CASSETTE, PLEASE CASSETTE NOT LOADED	There was no film taken out of the MAGAZINE. If this occurs repeatedly check the MAGAZINE in the darkroom, remove and fan the films, before reloading the MAGAZINE.

IS MAGAZINE CORRECTLY POSITIONED? CASSETTE NOT LOADED	No films can be taken out of the MAGAZINE. Please check, whether the MAGAZINE has been positioned correctly. Should these messages appear repeatedly, please inform your KODAK Service Provider.
NO MAGAZINE HAS BEEN SELECTED	Operator did not pull out a magazine for Serial Unload. The magazine door was opened and closed again, without inserting a MAGAZINE. This error message must be cancelled by pressing button “C”. Start the special function “Serial Unloading" again and follow the instructions on the display.
WRONG FILM SIZE FOR SERIAL UNLOADING PLEASE INSERT CASSETTE 00 X 00 CM X	The cassette entered does not correspond to the MAGAZINE selected for “Serial Unloading”. The cassette was unloaded.
RIFFLE FILM IN MAGAZINE CASSETTE NOT LOADED	The films in the magazine adhere to each other, so that no single sheet of the film can be removed from the magazine. Remove and fan the films in the darkroom before reloading the magazine. Immediately open empty cassettes!
POWER FAIL RECOGNIZED	During a cycle, a power failure occurred. If power is resumed, the KODAK Multiloader 700 Plus will try to reach the starting position. Please wait for additional error messages that might be displayed. **NOTE:** A cycle is completed when the cassette has been removed from the entrance slot.

CALL FOR SERVICE PLEASE ... * *

Codes: *12*, *22*, *52*, *53*, *54*, *75*, *7B*, *81*, *82*, *A2*, *B4*

If one of these codes appears between the two asterisks, you have to do the following:

1) If a cassette is in the KODAK Multiloader 700 Plu;s refer to chapter “HOW TO OPEN THE COVER OF THE KODAK Multiloader 700 Plus” (page 48).
2) Press Special Function Buttons 3 5 7 C. Wait for the green Ready Light to appear. The KODAK Multiloader 700 Plus is now ready for operation.
   If the error message appears repeatedly, inform your KODAK Service Provider.

How to Correct Difficulties

When the following messages appear on the DISPLAY, the cover of the KODAK Multiloader 700 Plus must be opened. You should only attempt the corrective actions, if you have been trained by KODAK staff.

Message A

```
C A U T I O N !
CASSETTE TRANSPORT PROBLEM:
PLEASE OPEN MULTILOADER COVER;
EXTRACT CASSETTE MANUALLY;
CHECK CASSETTE LATCH:
CAUTION: FILM IS UNUSABLE
```

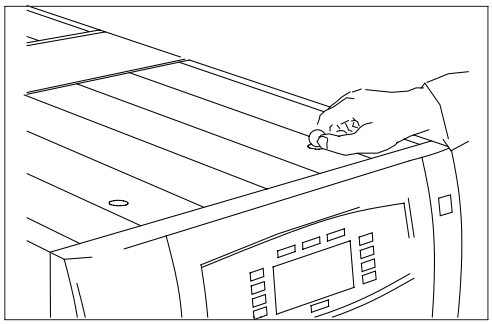
OR

Message B

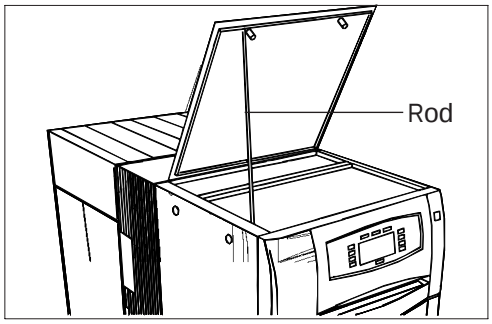
```
C A U T I O N !
CASSETTE CLOSING PROBLEM:
PLEASE OPEN MULTILOADER COVER;
PUSH FILM INTO CASSETTE ALL THE WAY,
CLOSE COVER, PRESS “C”.
CAUTION: FILM IS UNUSABLE
```

Messa

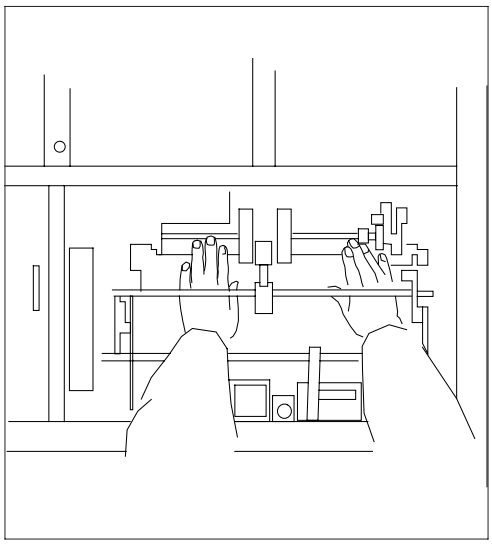
How to Open the Cover of the KODAK Multiloader 700 Plus



With a coin or a screwdriver turn the LOCKS counter-clockwise. The COVER will now be pushed open by approx. 2 cm.



Use the ROD to secure the COVER in the open position.



Should a film be caught in the cassette opening, carefully push it all the way back into the cassette.

CAUTION: When the film has been exposed to daylight, it is unusable.

If the cassette is **not** caught in the opener shovel, carefully push it towards the entrance slot by approx. 5 cm. Then slightly push down the lid of the cassette in order to close it.
If possible, push the cassette out through the entrance slot of the KODAK Multiloader 700 Plus.
Close the COVER, and check that it is fastened with **both** LOCKS.

If this procedure is not possible **without force** (e. g. when the cassette is caught in the opener shovel), only push the film back into the cassette. Then close the cover of the KODAK Multiloader 700 Plus and press button “C”.

If this does not successfully return the unit to the normal mode, please call your KODAK Service Provider.

CAUTION:
When closing the COVER always make sure that it is fastened with **both** LOCKS. Otherwise, your films might become fogged.

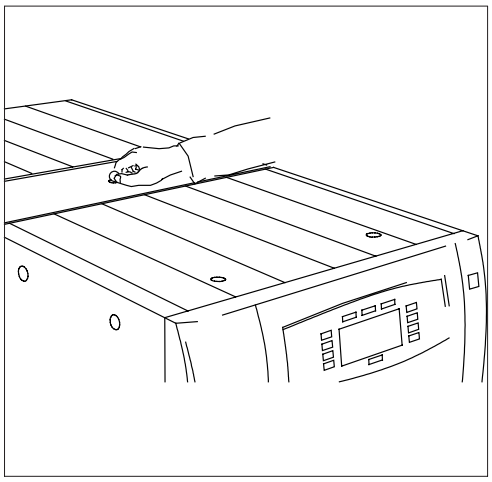
Before a film is removed from the CASSETTE, the KODAK Multiloader 700 Plus checks, whether a film remained in the TUNNEL. The CASSETTE will not be unloaded, if a film of the previous cycle is in the TUNNEL.

C A U T I O N !
FILM JAMMED IN TUNNEL
REMOVE FILM JAM IN TUNNEL

OR

C A U T I O N !
FILM TRANSPORT PROBLEM IN TUNNEL

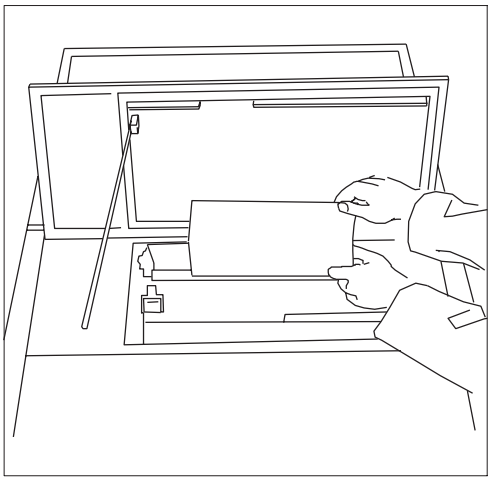
How to Open the Cover of the Tunnel



If possible, **darken the room** before carrying out the following instructions, in order to save your film.
Films exposed to daylight will become unusable.

With a coin or a screwdriver turn the lock counter-clockwise.

Open the COVER of the tunnel and secure it with the ROD.



Push the film toward the PROCESSOR until you can see (or feel with your hand, if the room has been darkened) the film being pulled by the PROCESSOR.

Close the COVER of the tunnel and fasten the lock.

Maintenance

The humidifier filter cartridge has to be exchanged at least every six months. For that purpose, please call service personnel authorised by KODAK.

WARNING:

Only qualified Service Personnel, authorised by KODAK, is allowed to exchange the humidifier filter cartridge.

Warranty

Kodak warrants this KODAK Multiloader 700 Plus to function correctly for one year from the date of initial installation, when installed within one year from date of shipment.

Warranty Repair Coverage

If this equipment does not function correctly during the warranty period, the dealer (for KODAK Multiloaders 700 Plus) who sold the equipment will provide or arrange for repair of the equipment during the dealer's normal working hours. Such repair service will include any adjustments and/or replacement of parts required to maintain your equipment in good working order.

How To Obtain Service

Should the equipment require service, refer to the sales contract for details on whom to call for service, or contact the dealer (for KODAK Multiloaders 700 Plus) who sold the equipment.

Limitations

Warranty service is limited to the contiguous United States, the island of Oahu in Hawaii, and certain areas of Alaska.

This warranty does not cover—

- circumstances beyond the control of Kodak
- misuse
- abuse
- attachments
- accessories
- alterations not marketed by Kodak (including service or parts to correct problems resulting from the use of such attachments, accessories, or alterations)
- failure to follow the operating instructions recommended by Kodak
- supply items

Kodak makes no other warranties, express or implied, for this equipment.

Repair without charge is the only obligation of both Kodak and the dealer under this warranty. Kodak will not be responsible for any consequential or

damages resulting from the sale, use, or improper functioning of this equipment, even if loss or damage is caused by the negligence or other fault of Kodak.

Such damages for which Kodak will not be responsible, include, but are not limited to, loss of revenue or profit, downtime costs, loss of use of the equipment, cost of any substitute equipment, facilities or services or claims of your customers for such damages.

This limitation of liability will not apply to claims for injury to persons or damage to property caused by the sole negligence or fault of Kodak or by persons under its direction or control.

Kodak AG
Hedelfinger Str. 54 - 60
70327 Stuttgart
Germany

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